

## Poco Graphite TM Industrial Grade Graphite

Category : Carbon , Graphite

### Material Notes:

POCO's specialty graphite materials are used in a wide range of highly technical and industrial applications. Each grade has characteristics and properties that allow the user to match the ideal graphite to each application. Post synthesis modifications enhance the original material to allow even greater flexibility for highly specialized conditions.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Poco-Graphite-TM-Industrial-Grade-Graphite.php](http://www.lookpolymers.com/polymer_Poco-Graphite-TM-Industrial-Grade-Graphite.php)

Physical Properties	Metric	English	Comments
Apparent Bulk Density	1.82 g/cc	0.0658 lb/in <sup>3</sup>	
Open Porosity	85 %	85 %	
Porosity	20 %	20 %	
Particle Size	10 µm	10 µm	
Pore Size	1.50 microns	0.0591 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Yield	41.0 MPa	5950 psi	
Modulus of Elasticity	10.5 GPa	1520 ksi	
Flexural Strength	59.0 MPa	8560 psi	
Compressive Strength	110 MPa	16000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	8.20 µm/m-°C	4.56 µin/in-°F	
Thermal Conductivity	105 W/m-K	729 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00122 ohm-cm	0.00122 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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